

L 05295-67

ACC NR: AR6031867

without local modulation coils. In the latter case the autodyne frequency is modulated, while spurious AM is eliminated by the transmission of a compensating 1-f voltage to the transmitting tube grid. A circuit which automatically binds autodyne frequency to the measured field is connected for measurements of field topography and for especially complex measurements. A block-diagram and a photo of the instrument, as well as a schematic diagram of the h-f unit, are given in the original article. Errors occurring with measurements with the IMP-3 instrument are analyzed. V. Mamayev. [Translation of abstract]

SUB CODE: 20, 09/

Card 2/2

*eqh*

SEVER'YANOV, N.N., kand. tekhn. nauk, red.; BERLIN, A.Ye.,  
retsenzent; VOYTSEKHOVSKIY, G.A., retsenzent;  
DAVYDOVA, Ye.A., retsenzent; ZIL'BERSHTEYN, Ya.Yu.,  
retsenzent; KIRICHINSKIY, N.R., retsenzent; KLEPIKOV,  
L.N., retsenzent; KUBYNIN, A.Ye., retsenzent; LEBEDEV,  
V.V., retsenzent; MOROZOV, V.P., retsenzent; MOSKVIN,  
V.B., retsenzent; MUSARSKIY, I.S., retsenzent; PODERNI,  
Yu.S., retsenzent; SALIKOV, I.A., retsenzent; SUSHCHENKO,  
A.A., retsenzent; TRET'YAKOV, K.M., retsenzent; UL'YANOV,  
V.P., retsenzent; TSVIRKO, P.P., retsenzent; TSOY, A.G.,  
retsenzent; CHEL'TSOV, M.I., retsenzent; SHISHCHITS, G.N.,  
retsenzent; DIDKOVSKIY, D.Z., otv. red.

[Handbook on the prospecting, planning, and construction  
of strip mines] Spravochnik po izyskaniyam, proektirovaniyu  
i stroitel'stvu kar'erov. Moskva, Nedra, 1964. 2 v.  
(MIRA 18:2)

ZIL'BERT F. Z.

PA 44/49T58

USSR/Medicine - Drugs, Injections  
Medicine - Ericide, Effect

Jan/Feb 49

"Ericide, a New Cardiovascular Preparation,"  
F. Z. Zil'bert, All-Union Sci Res Chemicophar  
Inst imeni S. Ordzhonikidze, 1 p

"Med Prom SSSR" No 1

Ericide (Erizid) is extracted from the plant  
Erysimum canescens. It is suitable for  
intravenous injection.

44/49T58

ANISIMOVA, Ye.M.; PETROVA, T.M.; ZIL'BERT, N.I. (Stavropol')

Studying the hepatic function when selecting donors. Klin.med. 35  
[i.e.34] no.1 Supplement:20 Ja '57. (MIRA 11:2)

1. Is Stavropol'skogo instituta vaktsin i syvorotok (dir. - kandidat  
meditsinskikh nauk V.M.Kruglikov, nauchnyy rukovoditel' kandidat  
meditsinskikh nauk V.V.Budylina) i Stavropol'skoy krayevoy stantsii  
perelivaniya krovi (glavnyy vrach V.P.Parshina)  
(BLOOD DONOR) (LIVER)

BRILING, V.N.; ZIL'BERT, I.S.

Studying the operation of the "Ukraina" cutter-loader.  
Nauch.trudy KNIUI no. 11:3-10 '62. (MIRA 17:7)

211 DEK 7 13  
LYUBOSHCHINSKIY, D.M., inzh.; ZIL'BERT, I.S., inzh.

Efficiency of sprinkling units in coal combines. Bezop.truda v prom.  
2 no.5:7-8 My '58. (MIRA 11:4)  
(Coal mining machinery)

LYUBOSHCHINSKIY, D.M., inzhener; ZIL'BERG, I.S., inzhener.

Using the Donbas-4 cutter-loaders in Karaganda mines. Mekh. trud.rab.  
9 no.10 0 '55. (MLRA 9:1)

(Karaganda--Coal mining machinery)

LYUBOSHCHINSKIY, Dmitriy Markovich; POZIN, Yevgeniy Zal'manovich;  
KAZAK, Yuriy Nikolayevich; ZIL'BERT, Izrail' Samoylovich;  
LOGUNTSOV, B.M., otv. red.; SHOROKHOVA, A.V., red. izd-  
va; IL'INSKAYA, G.M., tekhn. red.

[Breaking of coal by the cutting elements of mining machines]  
Razrushenie uglei ispolnitel'nymi organami vyemochnykh mashin.  
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu,  
1961. 220 p. (MIRA 14:5)  
(Coal mining machinery)



ZIL'BERT, I.S.; SKLYARENKO, A.N.; CHEFRANOV, V.V.

Ways of mechanizing stoping in mines No.101, 106, and 107 of  
the "Karagandaugol" Combine. Nauch. trudy KNIUI no.13:9-17  
'64 (MIRA 18:1)

LIGAY, I.I.; KRAVTSOV, I.T.; ZIL'BERT, I.S.

Testing the new actuating mechanism of the K-52m cutter-loader.  
Nauch. trudy KNIUI no.13:17-24 '64 (MIRA 18:1)

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ACCESSION NO

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065130001-3"

12(2)

SOV/113-59-5-6/21

AUTHOR: Zil'bert, Yu. Ya., Candidate of Technical Sciences

TITLE: Steel-Backed Aluminum Bearing Inserts for YaMZ Engines

PERIODICAL: Avtomobil'naya promyshlennost', 1959, Nr 5, pp 17 - 20 (USSR)

ABSTRACT: The author describes tests of steel-backed aluminum crankshaft bearing inserts installed in YaMZ-204 and YaMZ-206 engines. Up to the present time, the bearing inserts of YaMZ engines were manufactured of lead bronze SB-30 or metalloceramic materials. The high price of these inserts and the difficulties of their manufacture, as well as the low corrosion resistance of lead bronze, especially in two-stroke engines, necessitated research for finding a cheaper and more corrosion-resistant antifriction material. Such a material is the aluminum alloy ASM (3.5-5.5% Sb; 0.3-0.7% Mg; the rest is aluminum) which was developed by NATI and which has found applica-

Card 1/3

SOV/113-59-5-6/21

Steel-Backed Aluminum Bearing Inserts for YaMZ Engines

tion in the tractor industry. Since June 1957, steel-backed aluminum bearing inserts, manufactured of alloy ASM, were tested in YaMZ-204 and YaMZ-206 engines at the Yaroslavskiy motornyy zavod (Yaroslavl' Engine Plant). A YaMZ-204V engine, equipped with the aforementioned bearing inserts, was run for 2,000 hours on a test stand. A YaMZ-206D engine was installed in a ZIL-127 bus which was driven over a distance of over 40,000 km. A YaMZ-204A engine was installed on a MAZ-200 truck which was driven over a distance of 31,000 km. The data obtained during these tests are compiled in five tables. The test results showed that steel-backed aluminum inserts may be used in engines YaMZ-204 and YaMZ-206. Additional investigations were carried out by NATI concerning the technology of manufacturing these inserts. Based on these investigations, recommendations were made by NATI for manufacturing steel-backed aluminum bearing inserts, which were considered

Card 2/3

SOV/113-59-5-6/21

Steel-Backed Aluminum Bearing Inserts for YaMZ Engines

in the second series of experiments. It was established that crankshaft bearing inserts manufactured with the ASM alloy meet the requirements of YaMZ-204 and YaMZ-206 engines. The experience with these bearing inserts obtained on tractor and truck compression ignition engines may eventually be used for carburetor engines. A large-scale introduction of such bearing inserts will be possible since the production of steel-aluminum strips has been set up at the metallurgical plants "Krasnyy Oktyabr" and "Mikhaylovskiy". There are 1 photograph, 1 graph and 5 tables, and 1 Soviet reference.

ASSOCIATION :NATI

Card 3/3



BAYEVSKIY, R.M.; ZIL'BERTAL', Ye.A.; KRUZENSHTERN, V.M.; FREYDEL', V.R.

Use of automatic logical devices for medical control. Biul.  
eksp. biol. i med. 56 no.8:116-120 Ag '63. (MIRA 17:7)

1. Predstavleno deystvitel'nym chlenom AMN SSSR V.V. Parinyu.

ZIL'BERTRUD, L.I.

Treatment of tonsillitis with suspensions of antibiotics of  
the tetracycline series. *Pediatrics* 37 no.4:68-69 Ap '59.

(MIRA 12:6)

1. Iz otdeleniya bolezney ucha, gorla i nosa (zav. - zasluzhennyy  
vrach RSFSR dotsent F.F.Malomuzh) Detskoy bol'nitsy imeni F.R.  
Dzerzhinskogo i kafedry mikrobiologii (zav. - chlen-korrespondent  
AMN SSSR prof. Z.V.Yermol'yeva) Tsentral'nogo instituta  
usovershenstvovaniya vrachev.

(TONSILLITIS, ther.

tetracyclines in suspension (Rus))

(TETRACYCLINE, ther. use

tonsillitis, tetracyclines in suspension (Rus))

MALOMUZH, F. F., dotsent; ZIL'BERTEUD, L. I.

Result of penicillin aerosol therapy in certain otolaryngological diseases  
in children. Sov. med. 19 no.11:76-79 N '55 (MLRA 9:1)

1. Iz LORotdeleniya (zav. zasluzhennyi vrach RSFSR dotsent F. F. Malomuzh)  
detskoy bol'nitsy imeni F. E. Dzerzhinskogo (glavnyi vrach A. N.  
Kudryasheva) na baze Nauchno-issledovatel'skogo instituta ucha, gorla  
i nosa Ministerstva zdavookhraneniya RSFSR (dir. zasluzhennyi deyatel'  
nauki prof. V. K. Trutnev)

(PENICILLIN, therapeutic use,  
otorhinolaryngol. dis. in child.)

(OTORHINOLARYNGOLOGY,  
otorhinolaryngol. dis. in child., ther., penicillin aerosol)

(AEROSOLS, therapeutic use,  
penicillin in otorhinolaryngol. dis. in child.)

ZIL'BERVARG, Ye.

Less expensive and with speed. NTO 6 no.1:41-42 Ja '64.

(MIRA 17:2)

1. Nachal'nik otdela tekhnicheskoy informatsii tresta "TSentroorg"  
stroy".

ZIL'HERVARG, Ye.

Mobile building exhibition. NTO 2 no.2:52 F '60. (MIRA 13:5)  
(Building--Exhibitions)

ZILBERYANIS, Kh. Ya. In Latvian

ZILBERYANIS, Kh. Ya. -- "Implanting of Latvian Low Cherry With Green Grafts by Using Synthetic Growth Stimulators." Latvian Agricultural Academy, 1951. In Latvian (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Izvestiya Ak. Nauk Latvyskoy SSR, No. 9, Sept., 1955

ZILCAK, Stefan, inz.

Concrete pole transformer stations up to 160 kVA. Energetika Cs  
12 no.12:643 D '62.

1. Elektrovod Senec.

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GILLER, S.A., akademik; MEDNE, K.K.; VENTER, K.K.; GERMANE, S.K.;  
ZILE, A.Ya.

Tuberculostatic effect of certain derivatives of unsaturated  
aldehydes and ketones of the 5-nitrofuran series. Dokl. AN SSSR  
144 no.1:108-111 My '62. (MIRA 15:5)

1. Institut organicheskogo sinteza AN Latv SSR. 2. AN Latv SSR  
(for Giller).

(Tuberculosis--Prevention) (Furan)

DZENITIS, Ya.R.; ZILE, I.N.; STRAZDIN', V.F.; SHTERN, S.F.

Production of 2-phenyl-1,3-indandione. Med. prom. 16 no.3:26-27 Mr '62.  
(MIRA 15:5)

1. Riazskiy khimiko-farmatsevticheskiy zavod No.3.  
(INDANDIONE)

1. EICHE, E.; ZILE, M.
  2. USSR (600)
  4. Herbicides
  7. 2, 4-Dichlorophenoxyacetic acid used as auxin and herbicide. Latv. PSR Zin Akad. Vestis 3, 1951
9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

ZILE.M

AUTHOR: EGLITE, A., ZILE, M. PA - 2778  
 TITLE: Destruction of Shrubs with the Aid of Sodium Salts 2,4-D and 2,4,5-T.  
 (Bor'ba s kustarnikami pri pomoshchi natriyevykh soley 2,4-D i 2,4,5-T,  
 Russian)  
 PERIODICAL: Latvijas PSR Zinatnu Akad. Vestis, 1957, Vol 1, Nr 3 (116), pp 69 - 76  
 (U.S.S.R.)  
 Received: 5 / 1957 Reviewed: 6 / 1957  
 ABSTRACT: By spraying gray and black alders, birch trees, hazelnut bushes, and  
 willow trees most common in the Latvian SSR with an aqueous solution  
 of the sodium salt 2,4-D these trees can be destroyed. (Salix triandra,  
 S. pentrandra, S. nigricans, S. rosmarinifolia, S. myrtilloides, S. fragilis,  
 S. aurita, S. caprea, S. cinerea). After one single treatment 70 - 100 %  
 of the trunks perish. By means of a second spraying during the following  
 period of vegetation of the plants still alive, complete destruction  
 of the remaining plants including the roots can be achieved. For destruc-  
 tion of bushes not taller than 2 meters 2 - 3 kg/ha are needed in the  
 case of alders and birch trees and 3 - 4 kg/ha in the case of willow  
 trees; on the occasion of the second spraying 1 - 2 kg/ha of sodium  
 salt 2,4-D (technical product) are required. In the case of taller  
 bushes the dose must be increased. Spraying must be carried out in  
 June, when the leaves are fully developed or in the first half of July,  
 when the weather is dry, warm and as quiet as possible. There must be  
 no spraying at temperatures below 15°C. If the chemicals are evenly

Card 1/3

PA - 2778

Destruction of Shrubs with the Aid of Sodium Salts 2,4-D and  
2,4,5-T.

The employment of these chemicals for the destruction of shrubs saves  
a great deal of labor and expenses.  
(4 tables, 2 illustrations and 3 citations from Slav publications)

ASSOCIATION: Not given

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

Card 3/3

1. EICHE, Ye. : ZILE, M.

2. USSR (600)

4. Growth (Plants)

7. 2,4-Dichlorophenoxyacetic acid used as auxin and herbicide. Latv. PSR Zin. Akad. Vestis 3, 1951

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.



RICHE, E.P.; ZILE, M.K.

Problem of feed and increasing soil fertility in the Baltic  
Republics. Zemledelis 4 no.5:16-22 My '56. (MLRA 9:8)  
(Baltic states--Soils) (Forage plants) (Rotation of crops)

EYKHE, E.P.; ZILE, M.K.

2,4-Dichlorophenoxyacetic acid as an auxin and herbicide. Latvijas PSR  
Zinātņu Akad. Vēstis '51, 442. (MIRA 5:10)  
(CA 47 no.22:12734 '53)

11 AND 120 00108		PROCESSING AND PROPERTIES INDEX	
<p>3690. GASIFICATION OF COAL AND COKE IN PRESSURE GENERATORS. Zilek, J. (Paliwa a Voda, 1948, vol. 28, 84-89). Four types of coal and two kinds of coke were investigated in an industrial high-pressure generator. The physical and chemical data of the fuels and gasification products, yields, and heat balances are tabulated. Non-caking coals gave best results.</p> <p style="text-align: right;">B.A.</p>			
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION		HIGH SCHOOL	
1000 11000000		11111 000 000 111	
10000 111 000 111		11111 000 000 111	

ZILENIENE, E.

Allergic reactions in epidermophytosis of the feet. Sveik.  
apsaug. 9 no.2:57 F'64.

1. Resp. odos ir veneros ligu dispanseris.

\*

ZILES, D.T., inzhener.

Locating a short circuit on the rotor winding frame of a generator. Elek.  
sta. 24 no.4:60-61 Ap '53.

(MLRA 6:5)

(Dynamoa)

ZIL'FYAN, V.N.

History of plague in Armenia. Zhur.mikrobiol.epid.i immun. 32  
no.2:135-138 F '61. (MIRA 14:6)

1. Iz Armiyanskoy protivochumnoy stantsii Ministerstva zdravookhraneniya  
SSSR.

(ARMENIA—PLAGUE)

ZIL'FYAN, V.N.; NORAMIRYAN, A.V.

Study of the plague bacteriemia in wild rodents. Izv. AN Arm.  
SSR. Biol. nauki 17 no.8:53-58 Ag '64.

(MIRA 17:10)

1. Armyanskaya protivochumnaya stantsiya.

KUZINA, A.N.; MALETINA, M.V.; ADOMONITE, G.M.; GRISHINA, O.S.; GRANT, Kh.Ya. [Grants, H.]; KOVALEVA, V.I.; ZIL'FYAN, V.H.; MNATSAKANYAN, A.G.; BOYKO, L.D.; SVERCHKOV, A.N.

Authors' abstracts. Zhur. mikrobiol., epid. i immun. 41 no.11:138-143  
'65. (MIRA 18:5)

1. Irkutskiy institut epidemiologii i mikrobiologii (for Kuzina, Maletina).
2. Gosudarstvennyy kontrol'nyy institut meditsinskikh biologicheskikh preparatov imeni Tarasevicha (for Adomonite).
3. L'vovskiy institut epidemiologii, mikrobiologii i gigiyeny (for Grishina).
4. Rizhskiy meditsinskiy institut (for Grant).
5. Dagestanskiy institut po proizvodstvu pitatel'nykh sred (for Kovaleva).
6. Yerevanskiy meditsinskiy institut i Respublikanskaya sanitarno-epidemiologicheskaya stantsiya (for Zil'fyan, Mnatsakanyan).
7. Kiyevskiy institut epidemiologii i mikrobiologii (for Boyko, Sverchkov).



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Card 1/2

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CIA-RDP86-00513R002065130001-3"

PAPOYAN, S.A.; ZIL'FAN, V.N.; DEKHTSUNYAN, K.M.

Effect of active immunization with a live tularemia vaccine  
on the radioresistance of animals. Zhur. eksp. i klin. med.  
3 no.5:25-32. '63. (MIRA 17:2)

1. Sektor radiobiologii, Institut rentgenologii i onkologii  
AMN SSSR, i kafedra epidemiologii Yerevanskogo meditsinskogo  
instituta.

ZIL'FYAN, V.N.

Organization of practical studies for medical students on especially hazardous infections. Zhur.mikrobiol.epid.i immun. 32 no.3:140-141 Mr '61. (MIRA 14:6)

1. Iz Armyanskoy protivochumnoy stantsii.  
(MICROBIOLOGY—STUDY AND TEACHING)

ZIL'KYAN, V.N.

~~ZIL'KYAN, V.N.~~ ANANYAN, Ye.I.

Role of argasid ticks in the transmission of Brucella. Zool.zhur.  
34 no.1:98-100 Ja-F '55. (MIRA 8:3)

1. Armyanskaya protivochumnaya stantsiya.  
(Ticks as carriers of disease) (Brucellosis)

PAPOYAN, S.A.; ZIL'FYAN, V.N.

Experimental sarcoma in gerbils. Zhur.eksp. i klin.med. 4 no.3:25-  
31 '64. (MIRA 18:1)

1. Institut rentgeno-radiologii i onkologii AMN SSSR.

PAPOYAN, S.A., prof.; ZIL'FYAN, V.N., starshiy nauchnyy sotrudnik; DEKHYSUNYAN,  
K.M., kand. med. nauk

immunobiological changes in irradiated guinea pigs with tularemia  
Vop. radiobiol. [AN Arm. SSR] 3/4:205-215 '63. (MIRA 17:6)

NORAMIRYAN, A.V.; ZIL'FYAN, V.N.

Comparative evaluation of the action of novocainbichin, histamine  
and egg yolk on the development of experimental plague. Zhur.  
mikrobiol. epid. i immun. 40 no.5:77-83 My '63.

(MIRA 17:6)

1. Iz Armyskoy protivochumnoy stantsii.



Jun 53

ZIL'FYAN, V. N.

USSR/Medicine - Brucellosis

"Tick *Or. lahorensis* as a Carrier and Transmitter of *Brucellae*," V. N. Zil'fyan,

Ye. L. Ananyan, Chair of Epidemiol Yerevan Med Inst and Armenian Observation

Zhur Mikro Epid i Immun, No 6, 14

Guinea pigs were experimentally infected with an emulsion obtained from the organs of ticks that were removed from infected goats and sheep. Expts showed that *Or. lahorensis* can become infected with brucellosis and can transmit this infection to healthy animals. Since ticks come in contact with rodents and feed on their blood, brucellosis *melitensis* can presumably be spread from one place to another by means of ticks and rodents.

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ected to vaccination should be sharply reduced.

Can: 1/1

P/035/62/000/004/004/004  
D265/D304

AUTHORS: Zilian, Gerhardt, and Jänicke, Alfred

TITLE: One-sided bearing cage

PERIODICAL: Przegląd mechaniczny, no. 4, 1962, 126

TEXT: This paper describes the Polish Patent No. 45163, Kl. 476, gr. 12 owned by VEB Leipziger Kugellagerfabrik DKF granted to the authors on October 8, 1960, for the invention of an open-type bearing cage shown in a figure. The cage rests on the outer race on protrusions (4) bearing a clearance (6) from the top faces of the rollers. This clearance which also helps to assemble the rollers, serves as a reservoir for oil which is scooped by the protrusions during running, thus lifting the cage and causing it to float. There is 1 figure.

Card 1/2

ZILIBERLAT, Ya. B. and OSTROVSKIY, M. A.

"Lighting of City Streets," Moscow, 1951.

ZILIC, SEDESLAV

14  
3  
✓ Investigation by radiochemical analysis of the bond energy of labeled molecules. Sedeslav Zilic (Inst. Nuclear Sci., Boris Kidrich, Belgrade, Yugoslavia). *J. Inorg. Nuclear Sci.* Boris Kidrich (Belgrade) 10, 57-61 (1960).  
The pyrolytic reaction  $\text{Co}(\text{NH}_3)_5\text{Cl}_2 + 2\text{K}(\text{BiI}_4) = \text{Co}(\text{NH}_3)_5\text{Cl}_2 \cdot 2\text{BiI}_4 + 2\text{KCl}$  was studied with  $\text{I}^{129}$ ,  $\text{Co}^{59}$ , and Ra B. The results indicate that bonding is weakest where the  $\text{BiI}_4$  moles are added to the Co pentammine residue, and there is some nonequivalence of the I atoms so bound.

James C. Sullivan

KOLAR, Z.; ZILIC, S.

Comparison between measured and calculated values of gamma rays absorption on lead nitrate solutions. Croat chem acta 34 no.2:103-107 '62.

1. Department of Radiochemistry, Institute "Ruder Boskovic" and Department of Radiochemistry, Faculty of Technology, University of Zagreb, Zagreb, Croatia, Yugoslavia.

ZILIC, Sedoslav

The investigation by radiochemical analysis of the bond energy of labeled molecules. Bul Inst Nucl 10:87-91 Mr '60. (EEAI 10:5)

1. Institute of Nuclear Sciences "Boris Kidrich" Laboratory of Physical Chemistry.

(Potassium iodobismuthate)	(Iodine)	(Cobalt)
(Radioisotopes)	(Bismuth)	



ZILICH, P.

Reflex box to guitar amplifier; to phonograph, radio, and magnetophone. p.186.

RADIOTECHNIKA. Budapest, Hungary. Vol. 9, no. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959  
Uncl.

ZILICH, JAN.

Zywicowanie sosny. (Wyd. 1.) Warszawa, Panstwowe Wydawn. Rolnicze i  
Lesne, 1954. 168 p. (Extracting resins from pine) 1st ed.)

DA

Not in DLC

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

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"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065130001-3

ZILIGOLENKO, I. N.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065130001-3"

ZILIE, Milan

Experience with the concentration of loading and unloading.  
Zel dop tech 10 no.4:117-118 '62.

1. Nacelnik zeleznicni stanice Nove Mesto nad Vahom.

L 11401-63

BDS

8/032/63/029/005/015/022

AUTHORS: Zilikova, T. K., Novosil'tseva, N. I., Falkin, B. A., Ryazancv,  
N. V. and Fridman, Ya. B. 45

TITLE: Method of testing sheet materials for biaxial extension at a different reserve of elastic energy

PERIODICAL: Zavodskaya laboratoriya, v. 29, no. 5, 1963, 600-604

TEXT: Analysis of a number of operational failures such as the explosion of the British "Comet" jet aircraft has shown that with a rise in the reserve of elastic energy in the presence of defects not only acceleration of deformation and failure occur, but also a reduction in the strength of a material can be expected. A device has been constructed to test biaxial extension of sheet material at a different reserve of elastic energy by means of pneumatic (gaseous nitrogen) or hydraulic (liquid AMG-10), arranged so that the working part of the test piece was in a zone of practically symmetrical biaxial extension. In tests of the influence of the working medium transmitting pressure to the test piece on the strength and nature of failure of the sample, test pieces were broken down into rather large pieces in the hydraulic test and into fine pieces in the pneumatic. In tests of the influence of the volume of the working medium it was found that increase in the volume of the container did not lead to substantial change in the kinetics, although the rate of deformation increased. There are 6 figures Card 1/1 *Ja/llb* \ and 2 tables.

PANIN, V.Ye.; GRIBANOV, S.A.; ZILING, K.K.

Effect of temperature on the heat conductivity of some alloys of  
solid solutions with copper as the major component. Izv.vys.ucheb.  
zav.;fiz. no.2:121-126 '60. (MIRA 13:8)

1. Sibirskiy fiziko-tekhnicheskoy institut pri Tomskom gosuniversitete  
im. V.V.Kuybysheva.  
(Copper alloys--Thermal properties)

... tests were conducted in a helium atmosphere at 20-140°C under a

SECRET

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**CIA-RDP86-00513R002065130001-3"**



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45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

14

22

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CIA-RDP86-00513R002065130001-3"

SEREBRYAKOV, A.V.; KOSTYUK, V.G.; ZILING, K.K.

Some characteristics of creep in whiskers. Fiz. tver. tela 7  
no.3:858-861 Mr '65. (MIRA 18:4)

1. Institut gidrofinamiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

ZILING, K.K.

Behavior of whiskers at temperatures near the melting point. Fiz.  
tver. tela 7 no.3:881-884 Mr '65.

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR, Novosibirsk. (MIRA 18:4)

132918-65

WFA(1)/EWI(m)/EHC(m)/EVA(H)/E/SIT(L)/C/Ch-//EAP(C) TP(c) 11

AUTHOR: Ziling, K. X.

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"APPROVED FOR RELEASE: 09/19/2001

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'NO RET' SOV: 005

OTHER: 009

AND PRESS: 3206

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065130001-3"

ACCESSION NR: AP5018200

UE/0207/65/000/003/0118/0119

**ABSTRACT:** An analytical and experimental investigation was made to determine the types of creep mechanism that exist in nondislocational crystals. To study this effect under stress, a single crystal is considered to have length  $l$  and a square cross-section of side  $a$ . The problem is to find the creep rate  $\dot{\epsilon}$  and the interaction energy  $W$  by

and the interaction energy  $W$  by

$$W = \frac{1}{2} \sigma \epsilon$$

where  $\sigma$  is the applied stress and  $\epsilon$  is the strain. It is assumed that  $l \gg a$  and the problem is solved by the method of asymptotic expansion.

52485-65

ACCESSION NR: AP5018206

is reduced to a one-dimensional current flow governed by the equation

KOSTYUK, V.G.; ZILING, K.K.; SEREBRYAKOV, A.V.

Strength characteristics of whisker type metal crystals with admixtures. Fiz. tver. tela 5 no.11:3060-3065 N '63.

(MIRA 16:12)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.



ACC NR: AP7002743

(A)

SOURCE CODE: UR/0126/66/022/006/0931/0935

AUTHOR: Ziling, K. K.

ORG: Institute of Hydrodynamics, Siberian Department of the AN SSSR (Institut gidrodinamiki SO AN SSSR)

TITLE: Localization of deformations in the process of high-temperature creep

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 6, 1966, 931-935

TOPIC TAGS: creep mechanism, high temperature effect, silver, metal deformation, crystal dislocation

ABSTRACT: The pattern of the high-temperature creep in silver foil is investigated in order to check whether it is in agreement with the predictions of the Nabarro-Herring theory (Nabarro, F. R. N. Conf. on Strength of Solids, Phys. Soc., London, 1948; Herring, C. J. App. Phys., 1950, 21, 437). The experiments were performed on 25x2.5 mm specimens of 99.99% pure Ag foil 56 or 64  $\mu$  thick subjected to high-temperature annealing and containing crystallites averaging 200  $\mu$  in size. Tensile tests of the specimens were performed in a protective helium atmosphere at 950°C under a more or less fixed load (5-25 g/mm<sup>2</sup>) for 100-300 hr per speci-

Card 1/3

UDC: 669.017:539.376

ACC NR: AP7002743

men. Findings: creep rate  $\dot{\epsilon}$  is virtually independent of time and the  $\dot{\epsilon} - \sigma$  curve (Fig. 1)

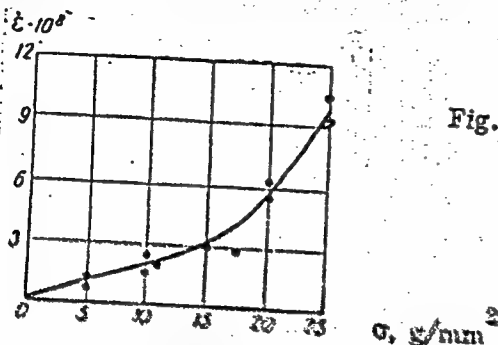


Fig. 1. Creep rate  $\dot{\epsilon}$  as a function of stress  $\sigma$ .  
T = 930°C, thickness = 56  $\mu$

contains a sufficiently distinct rectilinear segment for stresses reaching 15-17  $\text{g/mm}^2$ . Thus at stresses of up to 17  $\text{g/mm}^2$  the experimental creep rates are in sufficiently good agreement with those predicted from the Nabarro-Herring theory. On the other hand, measurements of local elongations in the neighborhood of grain boundaries show that the deformation which the Nabarro-Herring theory regards as diffusion flow accounts for not more than 30% of the total deformation of the specimens, as also demonstrated by an investigation of surface relief of the foil following its creep; the calculated mean elongation per grain proves to be 10 times

Card 2/3

ZILING, M.K.

Am

(ZILING (M. K.). "Черная зерновка" [Black germ of Wheat.]—ex *Bozema zephus* nymph. [Diseases of Cereal Crops]. Issued by Siberian Scienc. Res. Institute for Cereal Industry, Omsk, pp. 15-30, 1932.

The author states that a condition of wheat grains very similar to that known in Italy as 'puntatura' [R.A.M., v. p. 604] and to that described from Morocco as 'moucheture' [Ibid., x, pp. 20, 21], is known to have occurred in Siberia at least since 1914. Increased incidence of the trouble of recent years (especially in 1932, presumably owing to the very wet conditions of that year), induced him to undertake an extensive survey, which showed that the disease is widespread over the whole of Siberia and the Russian Far East, and that durum wheats are considerably more affected by it than those of the vulgare group. Isolations from diseased grains germinated on filter paper yielded *Alternaria tenuis* in 82 to 95 per cent., *Helminthosporium sativum* in 15 to 60 per cent., *Fusarium* spp. in about 4 per cent., and a number of unidentified fungi in some 2 per cent. of the cases. Bacteria were not present. Macroscopically, wheat grains infected with *A. tenuis* are readily distinguishable from those infected with *H. sativum* in that the former are usually larger and heavier, while the latter

are smaller and lighter than normal. Further, in infection with *A. tenuis*, the brown discoloration, of varying intensity, is limited to the embryo region, with a narrow brown line extending along the groove up to the brush end; the mycelium is usually located in the pericarp, penetrating to the integument (more rarely to the albumen layer and very exceptionally to the endosperm), but never entering the germ. When *H. sativum* is concerned, the external brown discoloration may extend to other portions of the grain; the mycelium permeates both the pericarp and the endosperm, and not infrequently also attacks the germ which, in severe cases, may be mummified.

Further studies showed that under controlled conditions the germinability of infected seeds was reduced by 2.4 per cent. in *A. tenuis* and by 83.3 per cent. in *H. sativum* infections. The viability of the grains attacked by *Fusarium* spp. was reduced by 50 per cent. The content of the grains in nitrogen, fatty substance,

and gluten was affected by the two common fungi differently. As indicated by experiments in 1931 and 1932 near Omsk, the incidence of the disease caused by both organisms was but slightly affected by the nature of the soil, preceding crop, or fertilizers used. Of the two fungi *H. sativum* appears to be the more dangerous, and work is in hand to find control measures against it.

ZILING, M.K.

Zaitsev (M. K.). Materialy k poznaniyu mikroflory pochv Sibiri. [Contributions to the knowledge of the fungal flora of West Siberian soils. Preliminary results of the work done in 1931].—*Известия Восточного Сибирского Научного Института по Сельскохозяйственной Биологии*. 1932, т. 1, кн. 1, стр. 40-61, 1932.

This is a detailed account of the preliminary results obtained in 1931 in the investigation, started in that year, of the fungal flora of soils under cereals and grass in the neighbourhood of Chink. With particular reference to fungi of phytopathological interest, Species [mostly unspecified] belonging to 36 genera were recognized, of which representatives of *Penicillium*, *Fusarium*, *Mucor*, *Aspergillus*, *Alternaria*, *Aspergillus*, and *Helveta* were the most common and most numerous. No significant correlation has far been observed between the various methods of cultivation of the soil and the numbers and composition of its fungal flora.

Special attention was given to the genus *Festuca*, as being the most dangerous, under local conditions, to cereal crops, and an annotated list is given of 16 species or forms which were identified. The outstanding fact revealed by the investigation was the exten-

sive occurrence in all the soils of the more pathogenic *Fusarium* spp., particularly *F. oxysporum* which was practically omnipresent. Continued cultivation of wheat for several years on the same land did not appear to increase the content of the soil in *Fusarium* spp., and, on the other hand, winter or spring bare fallow did not appear to reduce their numbers. Another striking fact was that the number of pathogenic species of *Fusarium* was considerably increased in soil put under grass, especially *Agropyrum tenerum*, for six years, as compared with soils under wheat. This fact throws considerable doubt on the value of grass for the regeneration of soil fertility.

ZILING M.K.

AM

ZILING (M. K.). *Fungi Far Easternum Japonicum*. [Fungi of the Far East.] *Acta Inst. Bot. Acad. Sci. U.R.S.S.*, Ser. II (Pl. Cryptogamiae), 1938, 3, pp. 679-697, 1938. [German summary.]

This is a briefly annotated list of 202 species of fungi (including 26 new species for which Latin diagnoses are provided) collected by the author in 1928 in the Russian Far East on various plant hosts. The following may be mentioned. *Gnomoniella okarana* Nishikado & Matsumoto [cf. *Gnomonia okarana* Nishikado & Matsumoto, 1929: *R.A.M.*, ix, p. 72] on living leaves of *Ulmus parvifolia*, *U. pumila*, *U. laciniata*, and *U. japonica*. The Far Eastern fungus differs from the Japanese in the size of its ascospores and conidia, which measure 13 to 17 by 5 to 9  $\mu$  and 3 to 3.8 by 1.3  $\mu$ , respectively, instead of 10 to 26 by 3-6 to 6  $\mu$  and 1-6 to 2-6  $\mu$ . *Trametes personii* (Mont.) Lloyd on dying *Ulmus* sp. trees is not of considerable economic importance. *Stagonospora korienensis* n.sp. on living needles of *Pinus korienensis* forms numerous immersed, erumpent pycnidia 160 to 230  $\mu$  in diameter, with stylospores cylindrical in shape or tapering towards the apex, 3-septate, hyaline, and 30 to 50 by 3-8 to 5  $\mu$ . *Septoria conchallariae-majalis* n.sp. on living leaves of *Conchallaria majalis* forms acrophigous, linear or angular-ovate, sometimes confluent, dark green to olivaceous spots, with a purplish-brown margin. The pseudopycnidia are hypophyllous, rarely amphigynous, im-

mented, globose, brown, and 90 to 120  $\mu$  in diameter. The stylospores are straight or curved, 3- to 5-septate, and 48 to 57 by 1.3 to 1.5  $\mu$ . *S. physalidis* n.sp. was found on the living leaves of *Physalis alkekengi*, *S. ulmi* Ell. & Ev. on *Ulmus japonicus*, and *Cercospora amurensis* n.sp. on living leaves of *Syringa amurensis*.



ZILING, U.G.; MALININ, N.I.

Deformations and strength of oriented films of polytetrafluoro-  
ethylene. Vysokom. soed. 7 no.2:346-349 F '65.

(MIRA 18:3)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.

SECRET EWT (E)/EPF (S)/EPR/EMP (I)/T

FD-4/DT-4/ET-4

HW/86

5/0-90, 5/3/007 502/3346/0349

Deformation and strength of oriented films of vinylidene fluoride

96

L 35478-65

ACCESSION NR: AP5005604

ASSOCIATION: Institut gidrodinamiki. Sibirskogo otdeleviya AN SSSR (Institute of



L 6791-65

ACCESSION NO. APL 6791-65

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L 6751-65

ACCESSION NO: APL046475

ENCLOSURE: 01.

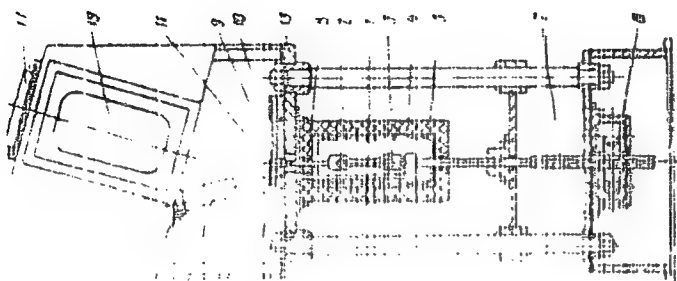


Diagram of apparatus.

3/3

MALININ, N.I.; ZILING, N.G.

Unit for recording diagrams of tensile tests for polymer films and  
sheets. Zav. lab. 30 no.10:1272-1273 '64. (MIRA 18:4)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.

USSR / Microbiology. Sanitary Microbiology.

F

Abs Jour : Ref. Zhur. Biol., No. 21, 1958, No 95099

Author : Zilinas, P.; Silmanas, S.; Maslovskia, M.

Inst :

Title : Influence of Waste Waters on the Sanitary Condition of Reservoirs of the Lithuanian SSR and Measures for Their Sanitation.

Orig Pub : Gamta ir jos apsauga. Vilnius, 1958, 116-128.

Abstract : No abstract.

Card 1/1



SIMKUNAS, V.; MASLAUSKIENE, M.; ZAIKAUSKAS, M., red.; ZILINSKIENE, V., red.; KVIKLYS, V., kand. med. nauk; red.; MOTIEJUNAS, L., kand. med. nauk, red.; NENISKIS, J., kand. med. nauk, red.; STECOVSKIS, A.L., tekhn. red.

[Lithuanian medical bibliography] Lietuviskoji medicinine bibliogra ija. Vilnius, Valstybine moksline medicinos biblioteka. Vol.2. 1958-1960. 543 p. (MIRA 17:3)

1. Predsedatel' Soveta Gosudarstvennoy nauchno-meditsinskoy biblioteki Ministerstva zdravookhraneniya Litovskoy SSR (for Zaikauskas). 2. Direktor Gosudarstvennoy nauchno-meditsinskoy biblioteki Ministerstva zdravookhraneniya Litovskoy SSR (for Zilinskiene).

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ZILINSKIY, N. D.

ARBUZOV, YU. A., BATUYEV, M. I. and ZILINSKIY, N. D.  
(Acad. Sci., USSR)  
Bull. acad. sci. URSS, Classe sci. chim. 1945, 665-8  
Contact isomerization of cyclohexene.

CA: 42-5857/e

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ZILINSKIY, N. D.,

ZILINSKIY, N. D., ARBUZOV, YU. A. and BATUYEV, M. I.  
(Academy of Sciences)

Bull. acad. sci. URSS, Classe sci. chim. 1945, 486-91  
Contact reactions of 1,3- (and 1,4)-cyclohexadiene.

CA: 42-5859/h

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ZILINSKIY, N. D.

ZILINSKIY, N. D. and LANDSEERG, G. S.

CA: 37-5315/2

(Acad. Sciences, Moscow)

Bull. acad. sci. URSS, Classe sci. chim. 1941, 9-12

Optical methods for studying hydrocarbons. I. The results of Raman spectroscopy with hydrocarbons and a survey of its use.

~~RESTRICTED~~

ZILISHTYANU

RUMANIA/ Microbiology, Antibiosis and Symbiosis. F-2  
Antibiotics

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24160

Author : Balsh, Meytert, Zilishtyanu  
Inst : Not given  
Title : A Study of Bacteriostatic and Bactericidal Activity  
of Antibiotics (Aureomycin, Chloromycetrin, Strep-  
tomycin, Nitrofurantoin) and Their Mixtures on Some Strains  
of Intestinal Bacilli.

Orig Pub: Microbiol., parazitol. si epidemiol., 1957, 2, No 2,  
142-150

Abstract: No abstract.

Card 1/1

ZILISHTYANU

Rumania / Microbiology - Microbes Pathogenic to Humans and Animals  
"APPROVED FOR RELEASE: 09/19/2001" CIA-RDP86-00513R002065130001-3"

Abs Jour: Referat. Zh. Biol., No. 1, 1958, 709

Author : Balsh, Meytert, Zilishtyanu

Title : Experimental and Practical Study of the Com-  
parative Value of Different Enriched Media for  
Isolating Salmonella from Coprocultures

Orig Pub: Rev. microbiol., parazitol. si epidemiol., 1956,  
1, No. 3, 27-31

Abstract: Results are given of parallel plantings on en-  
riched media of Mueller-Kaufman, D29, Birbauer  
and selenite medium F with incubations of  
4-6-12-18-24 hours by comparison with a direct  
planting on selective media. Enrichment methods  
yielded poorer results than direct inoculation.

Card 1/2

BEL'FOR, A.G., inzh.; ZILIST, L.A., inzh.; SOKOLOV, K.S., inzh.

Plans for the automation of standardized concrete and mortar  
units. Mekh. stroi. 19 no.5:8-9 My '62. (MIRA 15:5)  
(Mixing machinery) (Automatic control)

GIRSKIY, V.A., inzh.; ZILIST, L.A., inzh.; SOKOLOV, K.S., inzh.

Standardization of concrete and mortar mixers. Mekh. stroi.  
19 no.5:4-7 My '62. (MIRA 15:5)  
(Mixing machinery)

GUSEV, Mikhail Nikolayevich, prepodavatel'; ZILIST, Petr Sigizmundovich, prepodavatel'; LEV, Yevgeniy Semenovich, prepodavatel'; LOPYREV, Nikolay Kirillovich, prepodavatel'; MARDENSKIY, Vladimir Prokop'yevich, prepodavatel'; NEMKOV, Petr Petrovich, prepodavatel'; NIKITIN, Gennadiy Mikhaylovich, prepodavatel'; SHELUCHENKO, V.M., dotsent, kand.tekhn.nauk, retsenzent; BELOV, N.M., inzh., retsenzent; GOLOVANOV, N.V., red.; VOLCHOK, K.M., tekhn.red.

[Technology of marine engineering and ship repairs] Tekhnologiya sudovogo mashinostroeniya i sudoremonta. Pod obshchei red. M.N. Guseva. Leningrad, Izd-vo "Rechnoi transport," Leningr.otd-nie. Pt.2. [Technology of ship repairs] Tekhnologiya sudoremonta. 1960. 470 p. (MIRA 13:4)

1. Kafedra tekhnologii sudostroyeniya i sudoremonta Leningradskogo instituta vodnogo transporta (for Gusev, Zilist, Lev, Lopyrev, Mardenskiy, Nemkov, Nikitin).

(Ships--Maintenance and repair)



ZILIST, Petr Sigismundovich; CHEREPNIN, V.Ye., redaktor; VOLCHOV, K.M.,  
tekhnicheskiiy redaktor

[Advanced technological methods in shipbuilding and ship repairing]  
Peredovye tekhnologicheskie metody v sudostroenii i sudoremonte.  
Leningrad, Izd-vo "Machnoi transport," Leningradskoe otd-nie, 1956.  
118 p. (Shipbuilding) (Ships--Maintenance and repair) (MLRA 9:12)

ZILIST, Petr Sigizmundovich; KAZACHKOV, David L'vovich; DVORKIN, A.L., inzh., retsenzent; UTKIN, K.V., inzh., retsenzent  
VERDNIKOV, Ya.V., nauchn. red.; NIKITINA, M.I., red.

[Overall mechanization of planning and designing operations  
in shipbuilding] Kompleksnaia mekhanizatsiia proektno-  
konstruktorskikh rabot v sudostroenii. Leningrad, Sudc-  
stroenie, 1965. 315 p. (MIRA 18:12)

ZILISTEANU, G.; OLINICI, N.; MINTZER, Leonie

Influence of bacteriophages on the antibiotic sensitivity of certain strains of Escherichia coli and Klebsiella. Study "in vitro". Preliminary note. Arch. roum. path. exp. microbiol. 21 no.2:301-307 '62.

1. Travail de l'Institut "Dr. I. Cantacuzino".  
(ESCHERICHIA COLI) (COLIPHAGES) (KLEBSIELLA)  
(BACTERIOPHAGE) (ANTIBIOTICS)

MESROBEANU, Lidia; ZILISTEANU, C.; MITRICA, Natalia

Immunochemical studies on antihuman sera. Rumanian M. Rev.  
3 no.3:37-40 J1-S '59.

(IMMUNE SERUMS, chemistry)

(ELECTROPHORESIS)

(LIPIDS, chemistry)